

WHAT IS CLAIMED IS:

1. A non-contact information recording medium  
for ink-jet recording, on and from which information  
can be recorded and read in a non-contact state from  
5 the outside, comprising an electronic information  
storing circuit part and an image recording part,  
wherein at least part of the electronic information-  
storing circuit part has an ink/circuit-part barrier  
structure by which the circuit part undergoes no  
10 circuit trouble caused by an ink applied to the image  
recording part.

2. The recording medium according to Claim 1,  
wherein the ink/circuit-part barrier structure is an  
15 ink barrier layer provided between the image recording  
part and the electronic information storing circuit  
part.

3. The recording medium according to Claim 2,  
20 wherein the ink barrier layer has an air permeability  
of at least 300 sec/100 cc as measured in accordance  
with JIS P 8117 (Gurley air permeability testing  
method).

25 4. The recording medium according to Claim 1,  
wherein the ink/circuit-part barrier structure is a  
structure in which a non-contact information storage

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element of the electronic information storing circuit part is sealed with a resin.

5. The recording medium according to Claim 4,  
5 wherein the resin is an epoxy resin or a silicone-modified organic polymer.
- 10 6. The recording medium according to Claim 5,  
wherein the weight average molecular weight (Mw) of the  
silicone-modified organic polymer is at most 30,000.

- 15 7. A non-contact information recording medium for  
ink-jet recording, on and from which information can be  
recorded and read in a non-contact state from the  
outside, comprising an electronic information storing  
circuit part and an image recording part, wherein an  
ink/circuit-part barrier structure is provided in the  
image recording part in such a manner that at least a  
portion of the electronic information storing circuit  
part undergoes no circuit trouble caused by an ink  
20 applied to the image recording part.

- 25 8. The recording medium according to any of Claim 1  
through 7, wherein the image recording part is formed  
by laminating a layer formed with a material having a  
large ink absorptivity on a layer formed with a

material having a small ink absorptivity.

9. An image forming process, comprising the step of applying an ink by an ink-jet system to a non-contact information recording medium, on and from which information can be recorded and read in a non-contact state from the outside, said recording medium comprising an electronic information storing circuit part having an ink/circuit-part barrier structure and an image recording part, thereby forming an image.

10. The image forming process according to Claim 9,  
wherein an ink that does not damage the electronic  
information-storing circuit part is used as said ink.

11. The image forming process according to Claim 9, wherein an amount of a penetrability-imparting agent contained in the ink is at most 2 % by weight.

- 20        12. The image forming process according to Claim 9,  
wherein the ink is applied to the image recording part  
in an amount which does not damage the electronic  
information storing circuit part.

- 25           13. The image forming process according to Claim  
12, wherein the application density of the ink is at  
most 400 %

most 400 %.